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Abstract

MOTOR BOOT FOR A CIRCUIT BOARD

The present invention provides a motor boot for mechanically and electrically connecting a motor to a circuit board and includes a vibrational damping housing constructed of elastomeric material. The housing has a slot formed therein and a receptacle for slidably receiving and releasably securing the motor therein by interference fit. The receptacle includes a cut-out in fluid flow communication with the slot for receiving the electrical pad of the motor. A vibrational damping connector disposed in the slot and contacts the pad of the motor thereby creating electrical communication between the motor and circuit board. The connector is constructed of an electrically conductive elastomeric material, absorbs mechanical energy of the motor, transfers electrical energy of the motor to the circuit board. The connector is integrally formed with the housing thereby making the motor boot of one piece construction or is slidably received and releasably secured within the slot by interference fit.

Figure 1



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